EVOLUTION OF AIR FORCE ENVIRONMENTAL PROTECTION

Thomas Russell, P.E.
U.S. Air Force Center for Environmental Excellence
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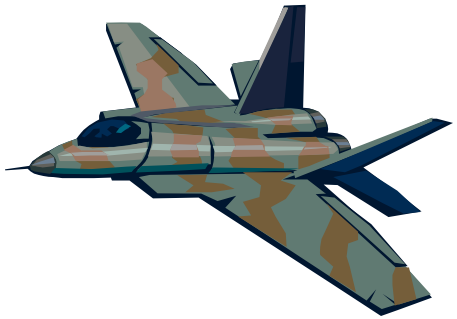
Overview

- Regulatory Framework
  - U.S. Laws
  - U.S. Military Overseas
  - Air Force Programs
- Self Assessments
  - Air Force Environmental Programs
- Future Trends



Regulatory Framework
U.S. Laws

- Increasing government environmental regulation began in 1960's
- Since 1960, approximately 30 major environmental laws enacted

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Regulatory Framework
U.S. Laws

1899 Rivers and Harbors Act
1948 Water Pollution control Act
1955 Federal Air Pollution Act
1956 Federal Water Pollution Act
1961 Water Pollution Control Act
1963 Clean Air Act
1965 Water Quality Act
1966 National Historic Preservation Act
1969 National Environmental Policy Act
1970 Environmental Quality Act
1970 Water Quality Improvement Act
1972 Federal Water Pollution Control Act Amendments
1973 Endangered Species Act
1974 Archeological and Historic Preservation Act
1976 Resource Conservation and Recovery Act
1976 Toxic Substance Control Act
1980 Comprehensive Env. Response Compensation and Liability Act
1987 Clean Water Act Amendments

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Regulatory Framework U.S. Overseas

- Defense Department and Air Force environmental programs evolved in parallel with increasing environmental laws and awareness

Regulatory Framework
U.S. Overseas

- 1979: Executive Order 12114: “Environmental Effects of Major Federal Actions”
- 1991: DoDD 6050.16, “Policy Establishing/Implementing Environmental Standards at Overseas Locations”
  - Prompted creation of Overseas Environmental Baseline Guidance Document (OEBGD):

    Version 1, 1992
- 1993: Final Governing Standards (FGS), which are now periodically updated

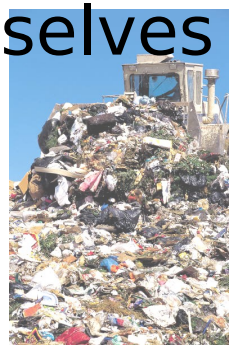
Regulatory Framework U.S. Overseas

- Final Governing Standards (FGS) were initiated by OEBGD to publish most protective standards

- FGS is always considered as top regulation when accomplishing an Air Force self-assessing audit

Regulatory Framework
Air Force Programs

- Air Force began establishing environmental programs as new regulations were implemented
- Air Force saw the need to audit themselves to a[illegible]s and monitor compliance



- Created Environmental Compliance Assessment and Management Program (ECAMP)
  - Self-Assessment of complying with applicable regulations

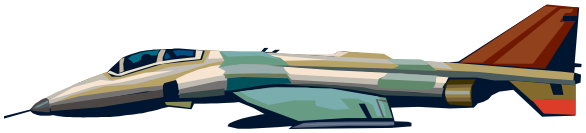
Self-Assessment

- Environmental, Safety, Occupational Health, Compliance Assessment and Management Program (ESOHCAMP)
  - Expanded ECAMP to include other areas

- Air Force organizations perform annual inspections (1990)
  - Rotates w/ Internal & External ESOHCAMP assessments
  - Installation's internal tool to assess compliance and overall environmental health

Self-Assessment
USAF Programs

- Natural and Cultural Resources
- Restoration
- Compliance
- Pollution Prevention
- Environmental Management System (EMS)



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Self-Assessment
Natural and Cultural Resources

- Air Force Organizations maintain a current Integrated Natural and Cultural Resources Management Plan for significant resources
  - Updated every five years (or less depending on the activity)
  - It is an auditable item through ESOHCAMP

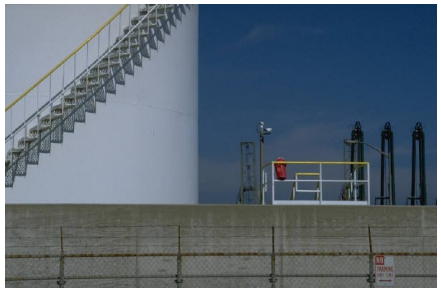
- National Environmental Policy Act (NEPA, 1969) ensures impacts of a base's activities are assessed

Self-Assessment Restoration

- Use Overseas Guidance
  - Addresses past, present, threatened releases of hazardous substances, pollutants, or contaminants via
    - Identification,
    - Investigation,
    - Cleanup, and
    - Site Closure

Self-Assessment Compliance

- Most complex and largest of environmental pillars; includes several protocols: Air, Water, HAZMAT, Hazardous Waste, Pesticides, Solid Waste, Lead Based Paint, and other areas
  - Requires staying current of all laws
  - Continual training and education of Air Force



Self-Assessment
Pollution Prevention

- Prevents environmental harmful releases by:
  - Designing new systems that minimize pollution
  - Improve industrial cleanup processes
  - Reducing municipal solid waste & increasing recycling effort

- Pollution Prevention Act of 1990
  - Hierarchy: Source Reduction, Reuse, Recycling, Treatment and Disposal as a last resort
  - Also accelerated phase-out of production of Ozone Depleting Chemicals

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Self-Assessment
EMS

- Environmental Management System (EMS)
- Incorporates people, policies, plans, review mechanisms, and procedures to address environmental issues within an organization
- Owned by Air Force members, and is a continual improvement process

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Future Trends

- Increasing Environmental Awareness Worldwide
- Increasing Environmental Regulations Worldwide
- Air F[illegible] Environmental Transformation